Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/19/2020 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124512	-1	3.92	124532	3.94
Blue	F	SSC	125000	123522	-2	1.91	124252	1.87
Blue	E	FITC	15892	15481	-3	2.92	338	21.61
Blue	D	PE	29999	29147	-3	2.05	636	15.62
Blue	B	PerCP-Cy5-5	43732	43272	-2	3.83	1159	21.36
Blue	A	PE-Cy7	30845	31157	1	6.37	595	42.60
Red	C	APC	46112	44879	-3	2.40	1590	11.94
Red	A	APC-Cy7	30458	29718	-3	2.37	783	11.78
Violet	B	V450	7918	7529	-5	5.22	429	13.88
Violet	A	V500	32171	31107	-4	5.01	730	10.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15846	23.67	660	39	N/A	N/A	Pass
Blue	F	SSC	56314	1.37	587	28	N/A	N/A	Pass
Blue	E	FITC	61	65.89	556	13	0.0163	83	Pass
Blue	D	PE	132	51.97	561	13	0.1375	242	Pass
Blue	B	PerCP-Cy5-5	214	51.94	669	13	0.0082	52	Pass
Blue	A	PE-Cy7	108	108.85	715	17	0.0101	22	Pass
Red	C	APC	377	25.40	587	3	0.0256	199	Pass
Red	A	APC-Cy7	172	29.25	559	3	0.0060	1412	Pass
Violet	B	V450	65	59.75	464	6	0.0424	1676	Pass
Violet	A	V500	108	34.73	480	6	0.0228	880	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.34	-32.64	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.37
Red	17.52	13.60 - 20.40	N/A	N/A	29.83	30.42	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 9760

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments